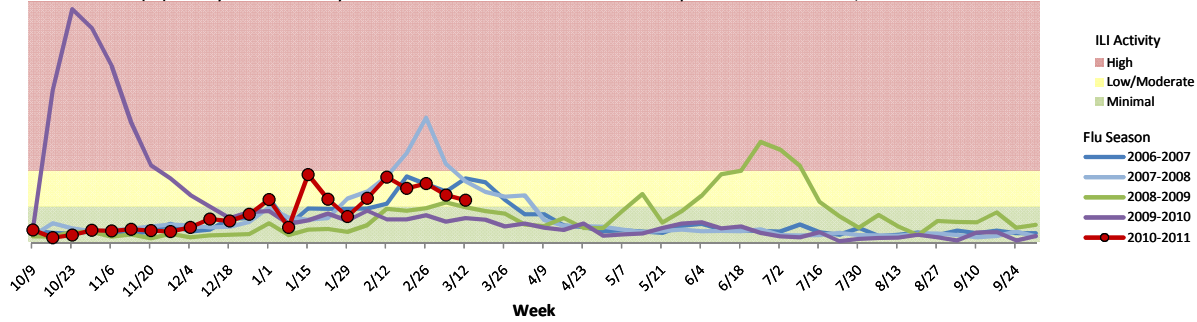


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold- Utah, 2010-2011



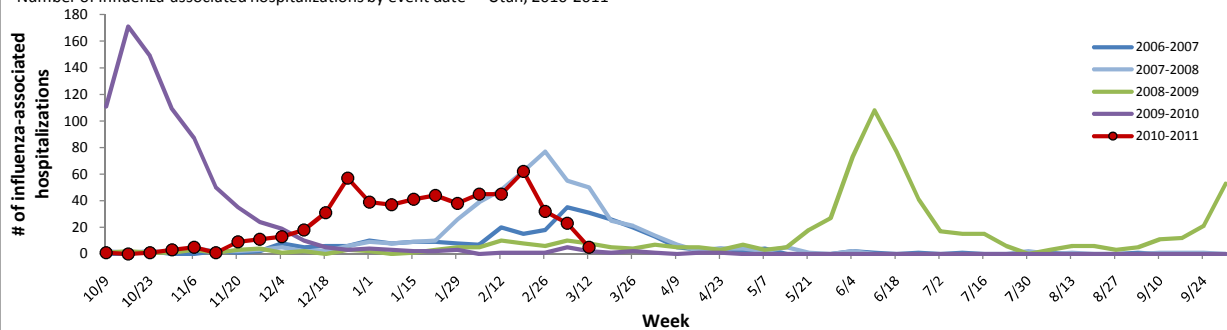
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	High
Central	No Data
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Minimal
Wasatch	No Data
Weber-Morgan	No Data
State	Low/Moderate

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2010-2011



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	284	50.6%	50.3%	0.8790
	Female	276	49.2%	49.7%	0.8129
	Unknown	1	0.2%	NA	--
Race	White, Not Hispanic	440	78.4%	82.0%	0.0260
	Hispanic	87	15.5%	11.6%	0.0037
	Native Hawaiian/Pacific Islander	11	2.0%	0.7%	0.0002
	Black/African American	18	3.2%	0.9%	<0.0001
	American Indian	3	0.5%	1.1%	0.1811
	Asian	2	0.4%	1.9%	0.0082
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2010-2011

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	139	24.8%	51.4	0
5-24 years	85	15.2%	9.0	0
25-49 years	109	19.4%	11.0	2
50-64 years	76	13.5%	19.0	2
65+ years	152	27.1%	61.5	1
Total	561	100%	19.6	5

Influenza-associated Hospitalizations by Health District, 2010-2011 Season to Date

Health District	Total Hospitalizations
Bear River	19
Central	17
Davis	45
Salt Lake	303
Southeastern	3
Southwest	24
Summit	8
Tooele	3
TriCounty	7
Utah	58
Wasatch	1
Weber-Morgan	73

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	66	11.8%	367	65.4%	128	22.8%
Ventilator	29	5.2%	400	71.3%	132	23.5%
Died	16	2.9%	438	78.1%	107	19.1%
Neurological Symptoms	57	10.2%	357	63.6%	147	26.2%
Healthcare Worker	8	1.4%	376	67.0%	177	31.6%
Pregnant	20	3.6%	491	87.5%	50	8.9%
Heart Disorder	88	15.7%	328	58.5%	145	25.8%
Blood Disorder	9	1.6%	407	72.5%	145	25.8%
Kidney Disorder	38	6.8%	379	67.6%	144	25.7%
Metabolic Disorder	70	12.5%	341	60.8%	150	26.7%
Chronic Respiratory Disorder	138	24.6%	282	50.3%	141	25.1%
Immunosuppressed	51	9.1%	365	65.1%	145	25.8%
Neurological Disorder	57	10.2%	357	63.6%	147	26.2%
Seizure Disorder	23	4.1%	391	69.7%	147	26.2%
Bacterial Co-infection	9	1.6%	412	73.4%	140	25.0%
Obese**	81	23.8%	138	40.5%	122	35.8%
Morbidly Obese**	24	7.0%	195	57.2%	122	35.8%
Risk Factor***	523	93.2%	38	6.8%	0	0.0%
Vaccinated	122	21.7%	214	38.1%	225	40.1%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2010-2011

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	4	80.0%	511	91.1%
Probable**	1	20.0%	50	8.9%
Total	5	100.0%	561	100.0%

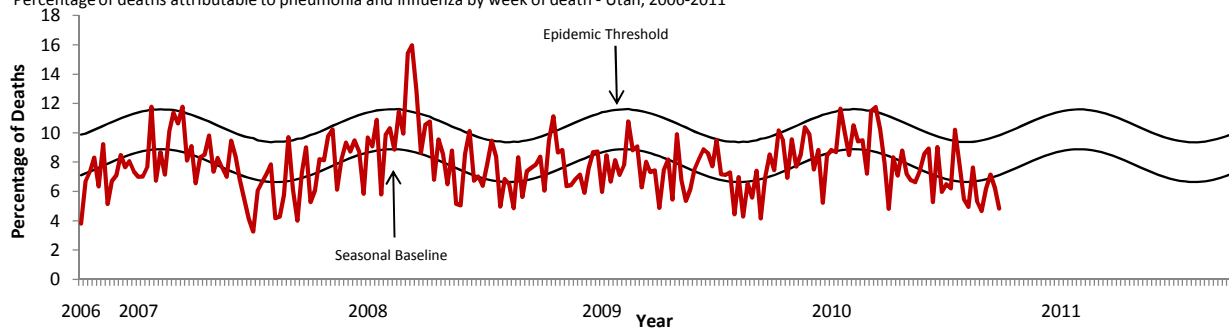
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

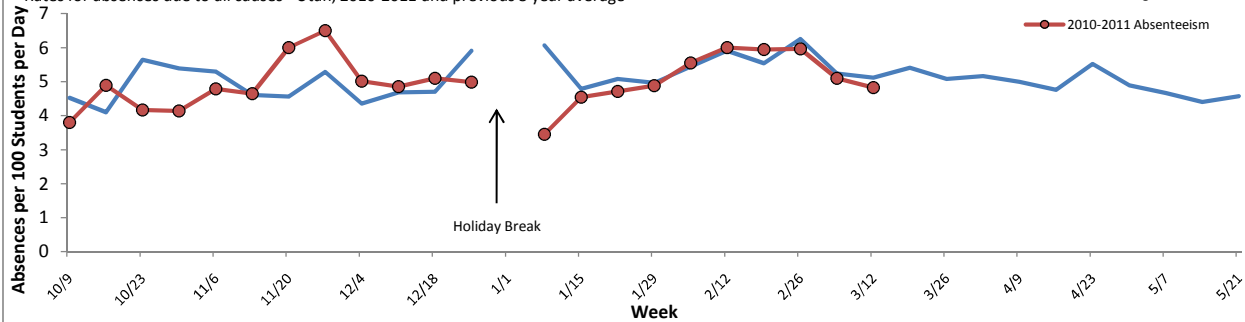
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2011



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2010-2011 and previous 3 year average



Weekly Student Absenteeism - Utah, 2010-2011

Health District	All absences per 100 students/day
Bear River	3.1
Central	3.8
Davis	4.2
Salt Lake	4.4
Southeast	5.4
Southwest	--
Summit	--
Tooele	6.3
TriCounty	3.3
Utah	5.1
Wasatch	6.0
Weber-Morgan	6.4
State	4.9

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,771	--	64	--
Positive specimens	1156	65.3%	43	67.2%
Positive Specimens by Type/Subtype				
Influenza A	1010	87.4%	29	67.4%
A (2009 H1N1)	229	22.7%	21	72.4%
A (H1)	0	0.0%	0	0.0%
A (H3)	774	76.6%	8	27.6%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	1	0.1%	0	0.0%
Influenza B	153	13.2%	14	32.6%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2010-2011

